

**Table C1. World Total Energy Consumption by Region, Low Economic Growth Case, 1990-2020**  
(Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b> . . . . .	<b>99.9</b>	<b>112.0</b>	<b>112.5</b>	<b>123.2</b>	<b>129.1</b>	<b>133.7</b>	<b>136.8</b>	<b>0.9</b>
United States <sup>a</sup> . . . . .	84.0	93.9	94.2	103.2	107.7	111.1	113.3	0.8
Canada . . . . .	10.9	12.6	12.5	13.3	13.8	14.1	14.2	0.5
Mexico . . . . .	5.0	5.5	5.8	6.7	7.7	8.5	9.3	2.1
<b>Western Europe</b> . . . . .	<b>59.9</b>	<b>63.3</b>	<b>64.0</b>	<b>66.4</b>	<b>68.0</b>	<b>69.5</b>	<b>70.9</b>	<b>0.4</b>
United Kingdom . . . . .	9.3	9.7	9.9	10.4	10.7	11.0	11.3	0.6
France . . . . .	9.3	10.5	10.4	10.8	11.1	11.2	11.4	0.4
Germany . . . . .	14.8	14.2	14.2	14.6	14.9	15.2	15.6	0.4
Italy . . . . .	6.7	7.3	7.3	7.5	7.7	7.8	8.0	0.4
Netherlands . . . . .	3.3	3.7	3.7	3.9	4.0	4.1	4.1	0.4
Other Western Europe . . . . .	16.6	17.9	18.5	19.3	19.7	20.0	20.4	0.4
<b>Industrialized Asia</b> . . . . .	<b>23.0</b>	<b>26.9</b>	<b>27.1</b>	<b>27.7</b>	<b>28.6</b>	<b>29.1</b>	<b>29.4</b>	<b>0.4</b>
Japan . . . . .	18.1	21.4	21.3	21.6	22.3	22.6	22.8	0.3
Australasia . . . . .	4.9	5.4	5.8	6.2	6.3	6.5	6.7	0.6
<b>Total Industrialized</b> . . . . .	<b>182.8</b>	<b>202.1</b>	<b>203.7</b>	<b>217.4</b>	<b>225.7</b>	<b>232.3</b>	<b>237.1</b>	<b>0.7</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	61.0	41.8	40.8	42.4	45.3	47.8	52.0	1.1
Eastern Europe . . . . .	15.3	12.7	12.5	13.5	14.2	14.9	15.8	1.0
<b>Total EE/FSU</b> . . . . .	<b>76.4</b>	<b>54.5</b>	<b>53.3</b>	<b>55.9</b>	<b>59.5</b>	<b>62.7</b>	<b>67.8</b>	<b>1.1</b>
<b>Developing Countries</b>								
<b>Developing Asia</b> . . . . .	<b>51.4</b>	<b>73.5</b>	<b>75.3</b>	<b>89.1</b>	<b>99.8</b>	<b>105.9</b>	<b>117.9</b>	<b>2.0</b>
China . . . . .	27.0	35.8	36.7	44.1	49.6	52.3	58.5	2.0
India . . . . .	7.8	11.6	11.8	14.4	16.4	17.8	20.1	2.3
South Korea . . . . .	3.7	7.1	7.5	8.3	9.2	9.8	10.7	1.6
Other Asia . . . . .	13.0	19.0	19.3	22.4	24.6	26.0	28.7	1.7
<b>Middle East</b> . . . . .	<b>13.1</b>	<b>17.1</b>	<b>17.9</b>	<b>19.8</b>	<b>21.8</b>	<b>23.2</b>	<b>25.8</b>	<b>1.6</b>
Turkey . . . . .	2.0	2.6	2.7	3.0	3.3	3.6	4.0	1.7
Other Middle East . . . . .	11.1	14.5	15.2	16.8	18.5	19.6	21.8	1.6
<b>Africa</b> . . . . .	<b>9.3</b>	<b>11.1</b>	<b>11.4</b>	<b>12.7</b>	<b>13.7</b>	<b>14.6</b>	<b>16.1</b>	<b>1.5</b>
<b>Central and South America</b> . . . . .	<b>13.7</b>	<b>17.8</b>	<b>18.3</b>	<b>21.4</b>	<b>24.7</b>	<b>26.9</b>	<b>31.8</b>	<b>2.4</b>
Brazil . . . . .	5.4	6.9	7.2	7.1	8.2	8.9	10.3	1.6
Other Central/South America . . . . .	8.3	10.9	11.1	14.2	16.5	18.1	21.5	2.9
<b>Total Developing</b> . . . . .	<b>87.6</b>	<b>119.4</b>	<b>122.9</b>	<b>143.0</b>	<b>160.0</b>	<b>170.6</b>	<b>191.6</b>	<b>1.9</b>
<b>Total World</b> . . . . .	<b>346.7</b>	<b>376.0</b>	<b>379.9</b>	<b>416.2</b>	<b>445.3</b>	<b>465.6</b>	<b>496.6</b>	<b>1.2</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Energy totals include net imports of coal coke and electricity generated from biomass in the United States. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B1; and World Energy Projection System (2000).

**Table C2. World Total Energy Consumption by Region and Fuel, Low Economic Growth Case, 1990-2020**  
(Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b>								
Oil . . . . .	40.4	43.0	43.8	48.1	50.9	53.3	55.4	1.0
Natural Gas . . . . .	22.7	26.8	26.9	29.0	31.9	34.6	36.0	1.3
Coal . . . . .	20.5	22.5	23.0	25.9	26.1	26.5	26.9	0.7
Nuclear. . . . .	7.0	8.2	7.7	8.0	7.5	6.2	5.2	-1.7
Other. . . . .	9.2	11.4	11.2	12.2	12.7	13.1	13.4	0.8
<b>Total . . . . .</b>	<b>99.9</b>	<b>112.0</b>	<b>112.5</b>	<b>123.2</b>	<b>129.1</b>	<b>133.7</b>	<b>136.8</b>	<b>0.9</b>
<b>Western Europe</b>								
Oil . . . . .	25.8	28.2	28.5	28.8	28.8	28.7	28.5	0.0
Natural Gas . . . . .	10.0	13.5	13.4	16.6	18.6	20.9	23.4	2.5
Coal . . . . .	12.4	8.4	8.7	7.3	6.8	6.4	5.8	-1.7
Nuclear. . . . .	7.4	8.7	8.8	8.5	8.1	7.3	6.6	-1.2
Other. . . . .	4.4	4.5	4.7	5.2	5.7	6.1	6.6	1.5
<b>Total . . . . .</b>	<b>59.9</b>	<b>63.3</b>	<b>64.0</b>	<b>66.4</b>	<b>68.0</b>	<b>69.4</b>	<b>70.8</b>	<b>0.4</b>
<b>Industrialized Asia</b>								
Oil . . . . .	12.5	14.3	14.1	13.8	14.0	14.3	14.4	0.1
Natural Gas . . . . .	2.9	3.6	3.5	4.2	4.4	4.7	5.0	1.5
Coal . . . . .	4.2	4.7	5.0	5.2	5.1	5.1	5.1	0.1
Nuclear. . . . .	2.0	2.9	3.1	3.0	3.5	3.4	3.3	0.2
Other. . . . .	1.4	1.4	1.4	1.6	1.6	1.6	1.6	0.6
<b>Total . . . . .</b>	<b>23.0</b>	<b>26.9</b>	<b>27.1</b>	<b>27.7</b>	<b>28.6</b>	<b>29.1</b>	<b>29.4</b>	<b>0.4</b>
<b>Total Industrialized</b>								
Oil . . . . .	78.7	85.5	86.4	90.7	93.7	96.3	98.3	0.6
Natural Gas . . . . .	35.6	43.9	43.8	49.8	54.9	60.2	64.4	1.7
Coal . . . . .	37.2	35.6	36.6	38.3	38.0	38.0	37.8	0.1
Nuclear. . . . .	16.3	19.9	19.6	19.5	19.1	17.0	15.0	-1.1
Other. . . . .	15.0	17.3	17.2	19.0	20.0	20.8	21.6	1.0
<b>Total . . . . .</b>	<b>182.8</b>	<b>202.1</b>	<b>203.7</b>	<b>217.4</b>	<b>225.7</b>	<b>232.3</b>	<b>237.1</b>	<b>0.7</b>
<b>EE/FSU</b>								
Oil . . . . .	21.0	11.4	11.9	12.3	13.9	15.8	17.7	1.7
Natural Gas . . . . .	28.8	23.9	22.4	26.0	29.6	32.2	37.0	2.2
Coal . . . . .	20.8	13.6	13.3	11.8	10.1	8.6	6.8	-2.9
Nuclear. . . . .	2.9	2.8	2.8	2.9	2.8	2.9	2.4	-0.7
Other. . . . .	2.8	2.9	2.8	2.9	3.1	3.3	4.0	1.5
<b>Total . . . . .</b>	<b>76.4</b>	<b>54.5</b>	<b>53.3</b>	<b>55.9</b>	<b>59.5</b>	<b>62.7</b>	<b>67.8</b>	<b>1.1</b>
<b>Developing Countries</b>								
<b>Developing Asia</b>								
Oil . . . . .	16.0	25.1	26.3	30.1	33.6	36.4	37.1	1.5
Natural Gas . . . . .	3.2	5.5	6.0	10.1	13.3	16.0	21.0	5.6
Coal . . . . .	28.1	37.5	37.7	41.6	44.9	45.4	51.2	1.3
Nuclear. . . . .	0.9	1.3	1.3	1.8	2.2	2.3	2.3	2.4
Other. . . . .	3.2	4.0	3.9	5.5	5.8	5.9	6.2	2.1
<b>Total . . . . .</b>	<b>51.4</b>	<b>73.5</b>	<b>75.3</b>	<b>89.1</b>	<b>99.8</b>	<b>105.9</b>	<b>117.9</b>	<b>2.0</b>

See notes at end of table.

**Table C2. World Total Energy Consumption by Region and Fuel, Low Economic Growth Case, 1990-2020**  
**(Continued)**  
 (Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Developing Countries (Continued)</b>								
<b>Middle East</b>								
Oil . . . . .	8.1	9.9	10.1	10.1	11.3	12.6	14.3	1.5
Natural Gas . . . . .	3.9	5.8	6.3	7.9	8.5	8.5	9.4	1.8
Coal . . . . .	0.8	0.9	0.9	0.9	0.9	0.9	0.9	-0.3
Nuclear. . . . .	0.0	0.0	0.0	0.0	0.1	0.1	0.1	--
Other. . . . .	0.4	0.6	0.6	0.9	1.0	1.0	1.1	3.0
<b>Total . . . . .</b>	<b>13.1</b>	<b>17.1</b>	<b>17.9</b>	<b>19.8</b>	<b>21.8</b>	<b>23.2</b>	<b>25.8</b>	<b>1.6</b>
<b>Africa</b>								
Oil . . . . .	4.2	4.9	5.1	6.0	7.1	8.3	9.7	2.8
Natural Gas . . . . .	1.5	1.9	2.0	2.3	2.3	2.2	2.4	0.7
Coal . . . . .	3.0	3.5	3.5	3.5	3.4	3.3	3.2	-0.4
Nuclear. . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.5
Other. . . . .	0.6	0.6	0.6	0.8	0.8	0.7	0.8	1.0
<b>Total . . . . .</b>	<b>9.3</b>	<b>11.1</b>	<b>11.4</b>	<b>12.7</b>	<b>13.7</b>	<b>14.6</b>	<b>16.1</b>	<b>1.5</b>
<b>Central and South America</b>								
Oil . . . . .	7.0	8.7	8.9	9.7	10.9	12.1	13.6	1.8
Natural Gas . . . . .	2.2	3.1	3.2	5.6	7.8	9.0	12.2	5.9
Coal . . . . .	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.3
Nuclear. . . . .	0.1	0.1	0.1	0.2	0.2	0.1	0.1	-0.7
Other. . . . .	3.9	5.2	5.4	5.3	5.2	5.1	5.3	-0.1
<b>Total . . . . .</b>	<b>13.7</b>	<b>17.8</b>	<b>18.3</b>	<b>21.4</b>	<b>24.7</b>	<b>26.9</b>	<b>31.8</b>	<b>2.4</b>
<b>Total Developing Countries</b>								
Oil . . . . .	35.2	48.5	50.4	55.9	63.0	69.3	74.6	1.7
Natural Gas . . . . .	10.8	16.4	17.6	25.8	31.8	35.7	45.0	4.2
Coal . . . . .	32.4	42.6	42.9	46.7	49.9	50.2	55.9	1.2
Nuclear. . . . .	1.1	1.5	1.6	2.1	2.5	2.7	2.6	2.2
Other. . . . .	8.1	10.4	10.5	12.5	12.8	12.7	13.5	1.1
<b>Total . . . . .</b>	<b>87.6</b>	<b>119.4</b>	<b>122.9</b>	<b>143.0</b>	<b>160.0</b>	<b>170.6</b>	<b>191.6</b>	<b>1.9</b>
<b>Total World</b>								
Oil . . . . .	134.9	145.4	148.7	158.9	170.6	181.4	190.6	1.1
Natural Gas . . . . .	75.1	84.1	83.9	101.7	116.3	128.0	146.4	2.5
Coal . . . . .	90.5	91.8	92.8	96.3	98.0	98.7	100.5	0.3
Nuclear. . . . .	20.4	24.2	24.0	24.4	24.4	22.5	20.0	-0.8
Other. . . . .	25.9	30.5	30.6	34.4	35.8	36.8	39.0	1.1
<b>Total . . . . .</b>	<b>346.7</b>	<b>376.0</b>	<b>379.9</b>	<b>416.2</b>	<b>445.3</b>	<b>465.6</b>	<b>496.6</b>	<b>1.2</b>

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Energy totals include net imports of coal coke and electricity generated from biomass in the United States. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B1; and World Energy Projection System (2000).

**Table C3. World Gross Domestic Product (GDP) by Region, Low Economic Growth Case, 1990-2020**  
(Billion 1997 Dollars)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b> . . . . .	<b>7,726</b>	<b>8,784</b>	<b>9,145</b>	<b>10,608</b>	<b>11,312</b>	<b>12,023</b>	<b>12,589</b>	<b>1.4</b>
United States <sup>a</sup> . . . . .	6,846	7,804	8,111	9,344	9,875	10,423	10,839	1.3
Canada . . . . .	547	603	631	735	794	838	853	1.3
Mexico . . . . .	333	377	403	529	643	762	897	3.5
<b>Western Europe</b> . . . . .	<b>7,569</b>	<b>8,284</b>	<b>8,570</b>	<b>9,563</b>	<b>10,206</b>	<b>10,833</b>	<b>11,438</b>	<b>1.3</b>
United Kingdom . . . . .	1,143	1,268	1,311	1,458	1,567	1,708	1,835	1.5
France . . . . .	1,269	1,361	1,412	1,588	1,697	1,769	1,831	1.1
Germany . . . . .	1,839	2,045	2,122	2,322	2,460	2,596	2,734	1.1
Italy . . . . .	1,060	1,128	1,159	1,269	1,355	1,437	1,516	1.2
Netherlands . . . . .	306	351	363	410	438	468	499	1.4
Other Western Europe . . . . .	1,951	2,131	2,202	2,516	2,688	2,855	3,024	1.4
<b>Industrialized Asia</b> . . . . .	<b>4,048</b>	<b>4,595</b>	<b>4,669</b>	<b>4,547</b>	<b>4,780</b>	<b>5,023</b>	<b>5,189</b>	<b>0.5</b>
Japan . . . . .	3,667	4,142	4,199	4,000	4,199	4,408	4,544	0.3
Australasia . . . . .	381	453	469	547	581	616	645	1.4
<b>Total Industrialized</b> . . . . .	<b>19,343</b>	<b>21,663</b>	<b>22,384</b>	<b>24,718</b>	<b>26,298</b>	<b>27,880</b>	<b>29,216</b>	<b>1.2</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	1,049	595	600	598	715	862	1,043	2.4
Eastern Europe . . . . .	358	347	368	454	521	597	676	2.7
<b>Total EE/FSU</b> . . . . .	<b>1,407</b>	<b>942</b>	<b>968</b>	<b>1,052</b>	<b>1,236</b>	<b>1,459</b>	<b>1,719</b>	<b>2.5</b>
<b>Developing Countries</b>								
<b>Developing Asia</b> . . . . .	<b>1,735</b>	<b>2,749</b>	<b>2,951</b>	<b>3,726</b>	<b>4,448</b>	<b>4,913</b>	<b>5,844</b>	<b>3.0</b>
China . . . . .	440	851	926	1,273	1,514	1,643	1,946	3.3
India . . . . .	266	367	382	537	659	747	910	3.9
South Korea . . . . .	273	419	476	587	721	819	989	3.2
Other Asia . . . . .	755	1,111	1,166	1,329	1,554	1,704	1,999	2.4
<b>Middle East</b> . . . . .	<b>356</b>	<b>441</b>	<b>454</b>	<b>507</b>	<b>572</b>	<b>623</b>	<b>736</b>	<b>2.1</b>
Turkey . . . . .	140	176	189	214	246	273	331	2.5
Other Middle East . . . . .	216	266	265	293	326	350	405	1.9
<b>Africa</b> . . . . .	<b>386</b>	<b>426</b>	<b>434</b>	<b>513</b>	<b>586</b>	<b>637</b>	<b>746</b>	<b>2.4</b>
<b>Central and South America</b> . . . . .	<b>1,127</b>	<b>1,409</b>	<b>1,481</b>	<b>1,712</b>	<b>1,982</b>	<b>2,167</b>	<b>2,570</b>	<b>2.4</b>
Brazil . . . . .	660	778	803	918	1,071	1,177	1,402	2.5
Other Central/South America . . . . .	467	631	678	794	911	990	1,168	2.4
<b>Total Developing</b> . . . . .	<b>3,604</b>	<b>5,026</b>	<b>5,320</b>	<b>6,459</b>	<b>7,589</b>	<b>8,340</b>	<b>9,897</b>	<b>2.7</b>
<b>Total World</b> . . . . .	<b>24,353</b>	<b>27,631</b>	<b>28,672</b>	<b>32,229</b>	<b>35,123</b>	<b>37,679</b>	<b>40,832</b>	<b>1.5</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** The WEFA Group, *World Economic Outlook: 20-Year Extension* (Eddystone, PA, April 1997). **Projections:** Standard & Poor's DRI, *World Economic Outlook*, Vol. 1 (Lexington, MA, 3rd Quarter 1999); Energy Information Administration (EIA), *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B20; and EIA, World Energy Projection System (2000).

**Table C4. World Oil Consumption by Region, Low Economic Growth Case, 1990-2020**  
(Million Barrels per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b> . . . . .	<b>20.4</b>	<b>21.9</b>	<b>22.3</b>	<b>24.5</b>	<b>26.0</b>	<b>27.2</b>	<b>28.2</b>	<b>1.0</b>
United States <sup>a</sup> . . . . .	17.0	18.3	18.6	20.5	21.5	22.4	23.0	0.9
Canada . . . . .	1.7	1.8	1.9	1.9	1.9	2.0	1.9	0.1
Mexico . . . . .	1.7	1.8	1.9	2.1	2.5	2.8	3.3	2.5
<b>Western Europe</b> . . . . .	<b>12.5</b>	<b>13.7</b>	<b>13.8</b>	<b>14.0</b>	<b>14.0</b>	<b>13.9</b>	<b>13.8</b>	<b>0.0</b>
United Kingdom . . . . .	1.8	1.8	1.8	1.9	1.9	1.9	1.9	0.3
France . . . . .	1.8	1.9	2.0	2.0	2.1	2.0	2.0	0.1
Germany . . . . .	2.7	2.9	2.9	3.0	2.9	2.9	2.9	0.0
Italy . . . . .	1.9	2.1	2.0	2.1	2.1	2.1	2.1	0.0
Netherlands . . . . .	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.2
Other Western Europe . . . . .	3.6	4.1	4.3	4.2	4.2	4.1	4.1	-0.2
<b>Industrialized Asia</b> . . . . .	<b>6.2</b>	<b>7.1</b>	<b>6.9</b>	<b>6.8</b>	<b>6.9</b>	<b>7.1</b>	<b>7.1</b>	<b>0.1</b>
Japan . . . . .	5.1	5.9	5.7	5.5	5.5	5.6	5.6	0.0
Australasia . . . . .	1.0	1.2	1.2	1.3	1.4	1.4	1.5	0.8
<b>Total Industrialized</b> . . . . .	<b>39.0</b>	<b>42.6</b>	<b>43.1</b>	<b>45.3</b>	<b>46.8</b>	<b>48.2</b>	<b>49.2</b>	<b>0.6</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	8.4	4.0	4.3	4.3	5.1	5.9	6.9	2.1
Eastern Europe . . . . .	1.6	1.4	1.4	1.5	1.5	1.6	1.5	0.3
<b>Total EE/FSU</b> . . . . .	<b>10.0</b>	<b>5.4</b>	<b>5.7</b>	<b>5.9</b>	<b>6.6</b>	<b>7.5</b>	<b>8.4</b>	<b>1.7</b>
<b>Developing Countries</b>								
<b>Developing Asia</b> . . . . .	<b>7.6</b>	<b>12.0</b>	<b>12.6</b>	<b>14.4</b>	<b>16.1</b>	<b>17.4</b>	<b>17.8</b>	<b>1.5</b>
China . . . . .	2.3	3.5	3.8	4.4	5.1	5.8	5.7	1.8
India . . . . .	1.2	1.7	1.8	2.3	2.6	2.8	3.0	2.3
South Korea . . . . .	1.0	2.2	2.3	2.4	2.6	2.8	2.8	1.0
Other Asia . . . . .	3.1	4.6	4.8	5.3	5.8	6.0	6.3	1.2
<b>Middle East</b> . . . . .	<b>3.9</b>	<b>4.7</b>	<b>4.8</b>	<b>4.8</b>	<b>5.4</b>	<b>6.0</b>	<b>6.8</b>	<b>1.5</b>
Turkey . . . . .	0.5	0.6	0.6	0.8	0.8	0.9	1.0	2.0
Other Middle East . . . . .	3.4	4.1	4.2	4.1	4.6	5.1	5.8	1.4
<b>Africa</b> . . . . .	<b>2.1</b>	<b>2.4</b>	<b>2.5</b>	<b>2.9</b>	<b>3.4</b>	<b>4.0</b>	<b>4.6</b>	<b>2.8</b>
<b>Central and South America</b> . . . . .	<b>3.4</b>	<b>4.2</b>	<b>4.4</b>	<b>4.8</b>	<b>5.3</b>	<b>5.9</b>	<b>6.6</b>	<b>1.8</b>
Brazil . . . . .	1.3	1.7	1.8	1.8	2.1	2.5	2.9	2.2
Other Central/South America . . . . .	2.1	2.5	2.6	2.9	3.2	3.4	3.7	1.6
<b>Total Developing</b> . . . . .	<b>17.0</b>	<b>23.3</b>	<b>24.2</b>	<b>26.9</b>	<b>30.3</b>	<b>33.3</b>	<b>35.9</b>	<b>1.7</b>
<b>Total World</b> . . . . .	<b>66.0</b>	<b>71.3</b>	<b>73.0</b>	<b>78.0</b>	<b>83.7</b>	<b>89.0</b>	<b>93.4</b>	<b>1.1</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Energy totals include net imports of coal coke and electricity generated from biomass in the United States. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B21; and World Energy Projection System (2000).

**Table C5. World Natural Gas Consumption by Region, Low Economic Growth Case, 1990-2020**  
(Trillion Cubic Feet)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b> . . . . .	<b>22.0</b>	<b>26.1</b>	<b>26.1</b>	<b>28.2</b>	<b>30.9</b>	<b>33.6</b>	<b>34.9</b>	<b>1.3</b>
United States <sup>a</sup> . . . . .	18.7	22.0	22.0	23.3	25.9	28.4	29.5	1.3
Canada . . . . .	2.4	3.0	3.0	3.2	3.3	3.5	3.8	1.0
Mexico . . . . .	0.9	1.1	1.2	1.6	1.7	1.7	1.7	1.5
<b>Western Europe</b> . . . . .	<b>10.1</b>	<b>13.7</b>	<b>13.5</b>	<b>16.7</b>	<b>18.6</b>	<b>20.9</b>	<b>23.4</b>	<b>2.4</b>
United Kingdom . . . . .	2.1	3.2	3.2	3.9	4.3	4.7	5.3	2.2
France . . . . .	1.0	1.3	1.3	1.6	1.9	2.1	2.6	3.1
Germany . . . . .	2.7	3.6	3.4	4.1	4.7	5.4	6.0	2.5
Italy . . . . .	1.7	2.0	2.0	2.2	2.3	2.4	2.6	1.0
Netherlands . . . . .	1.5	1.9	1.8	1.9	2.0	2.1	2.2	1.0
Other Western Europe . . . . .	1.2	1.8	1.8	3.0	3.4	4.1	4.9	4.3
<b>Industrialized Asia</b> . . . . .	<b>2.6</b>	<b>3.3</b>	<b>3.2</b>	<b>3.8</b>	<b>4.1</b>	<b>4.3</b>	<b>4.6</b>	<b>1.5</b>
Japan . . . . .	1.9	2.4	2.3	2.8	2.9	3.1	3.3	1.5
Australasia . . . . .	0.8	0.9	0.9	1.1	1.1	1.2	1.3	1.5
<b>Total Industrialized</b> . . . . .	<b>34.8</b>	<b>43.0</b>	<b>42.9</b>	<b>48.7</b>	<b>53.7</b>	<b>58.8</b>	<b>63.0</b>	<b>1.7</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	25.0	20.8	19.7	22.0	24.2	25.6	29.0	1.7
Eastern Europe . . . . .	3.1	2.9	2.6	3.9	5.4	6.5	7.9	4.9
<b>Total EE/FSU</b> . . . . .	<b>28.1</b>	<b>23.7</b>	<b>22.3</b>	<b>25.9</b>	<b>29.5</b>	<b>32.1</b>	<b>36.9</b>	<b>2.2</b>
<b>Developing Countries</b>								
<b>Developing Asia</b> . . . . .	<b>3.0</b>	<b>5.2</b>	<b>5.7</b>	<b>9.4</b>	<b>12.3</b>	<b>14.7</b>	<b>19.3</b>	<b>5.5</b>
China . . . . .	0.5	0.7	0.7	2.0	2.8	3.8	5.1	8.7
India . . . . .	0.4	0.7	0.8	1.5	2.1	2.6	3.5	6.5
South Korea . . . . .	0.1	0.4	0.5	0.7	1.0	1.2	1.9	5.7
Other Asia . . . . .	1.9	3.4	3.6	5.2	6.3	7.1	8.8	4.0
<b>Middle East</b> . . . . .	<b>3.7</b>	<b>5.6</b>	<b>6.0</b>	<b>7.6</b>	<b>8.1</b>	<b>8.1</b>	<b>9.0</b>	<b>1.8</b>
Turkey . . . . .	0.1	0.3	0.3	0.4	0.5	0.6	0.8	0.7
Other Middle East . . . . .	3.6	5.3	5.7	7.1	7.6	7.6	8.2	5.9
<b>Africa</b> . . . . .	<b>1.4</b>	<b>1.8</b>	<b>1.8</b>	<b>2.1</b>	<b>2.1</b>	<b>2.0</b>	<b>2.2</b>	<b>0.7</b>
<b>Central and South America</b> . . . . .	<b>2.0</b>	<b>2.8</b>	<b>2.9</b>	<b>5.0</b>	<b>7.0</b>	<b>8.1</b>	<b>11.0</b>	<b>5.9</b>
Brazil . . . . .	0.1	0.2	0.2	0.7	1.0	1.1	1.6	9.7
Other Central/South America . . . . .	1.9	2.6	2.7	4.4	6.0	7.0	9.4	5.5
<b>Total Developing</b> . . . . .	<b>10.1</b>	<b>15.3</b>	<b>16.4</b>	<b>24.0</b>	<b>29.5</b>	<b>33.0</b>	<b>41.5</b>	<b>4.1</b>
<b>Total World</b> . . . . .	<b>73.0</b>	<b>82.1</b>	<b>81.6</b>	<b>98.6</b>	<b>112.7</b>	<b>123.9</b>	<b>141.4</b>	<b>2.4</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Energy totals include net imports of coal coke and electricity generated from biomass in the United States. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B13; and World Energy Projection System (2000).

**Table C6. World Coal Consumption by Region, Low Economic Growth Case, 1990-2020**  
(Million Short Tons)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b> . . . . .	<b>959</b>	<b>1,076</b>	<b>1,102</b>	<b>1,231</b>	<b>1,247</b>	<b>1,265</b>	<b>1,293</b>	<b>0.7</b>
United States <sup>a</sup> . . . . .	896	1,006	1,028	1,162	1,178	1,193	1,219	0.7
Canada . . . . .	55	59	62	56	54	57	60	-0.1
Mexico . . . . .	9	12	12	14	15	15	14	0.6
<b>Western Europe</b> . . . . .	<b>896</b>	<b>579</b>	<b>583</b>	<b>497</b>	<b>470</b>	<b>441</b>	<b>406</b>	<b>-1.6</b>
United Kingdom . . . . .	119	70	78	60	55	49	38	-3.1
France . . . . .	36	25	23	16	10	10	9	-4.1
Germany . . . . .	528	279	277	249	239	227	215	-1.1
Italy . . . . .	25	19	17	17	16	15	14	-0.8
Netherlands . . . . .	15	15	20	17	15	13	10	-2.8
Other Western Europe . . . . .	173	170	168	138	135	127	121	-1.4
<b>Industrialized Asia</b> . . . . .	<b>233</b>	<b>265</b>	<b>281</b>	<b>288</b>	<b>285</b>	<b>286</b>	<b>283</b>	<b>0.0</b>
Japan . . . . .	125	145	143	157	155	158	157	0.4
Australasia . . . . .	108	119	138	132	130	128	126	-0.4
<b>Total Industrialized</b> . . . . .	<b>2,088</b>	<b>1,920</b>	<b>1,966</b>	<b>2,016</b>	<b>2,001</b>	<b>1,992</b>	<b>1,983</b>	<b>0.0</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	848	471	453	392	341	295	236	-2.8
Eastern Europe . . . . .	524	438	424	392	324	271	209	-3.0
<b>Total EE/FSU</b> . . . . .	<b>1,373</b>	<b>909</b>	<b>877</b>	<b>784</b>	<b>666</b>	<b>567</b>	<b>446</b>	<b>-2.9</b>
<b>Developing Countries</b>								
<b>Developing Asia</b> . . . . .	<b>1,552</b>	<b>2,117</b>	<b>2,126</b>	<b>2,352</b>	<b>2,538</b>	<b>2,566</b>	<b>2,899</b>	<b>1.4</b>
China . . . . .	1,124	1,514	1,532	1,733	1,882	1,904	2,198	1.6
India . . . . .	242	352	342	370	396	398	416	0.8
South Korea . . . . .	42	59	65	63	70	72	71	0.4
Other Asia . . . . .	145	191	188	186	190	192	214	0.6
<b>Middle East</b> . . . . .	<b>66</b>	<b>77</b>	<b>81</b>	<b>77</b>	<b>81</b>	<b>78</b>	<b>76</b>	<b>-0.3</b>
Turkey . . . . .	60	67	70	66	70	68	67	-0.2
Other Middle East . . . . .	6	10	11	11	11	11	9	-0.8
<b>Africa</b> . . . . .	<b>152</b>	<b>179</b>	<b>184</b>	<b>183</b>	<b>177</b>	<b>169</b>	<b>167</b>	<b>-0.4</b>
<b>Central and South America</b> . . . . .	<b>27</b>	<b>39</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>34</b>	<b>37</b>	<b>0.3</b>
Brazil . . . . .	17	21	21	17	17	17	19	-0.4
Other Central/South America . . . . .	10	19	14	18	18	17	18	1.1
<b>Total Developing</b> . . . . .	<b>1,797</b>	<b>2,412</b>	<b>2,426</b>	<b>2,647</b>	<b>2,831</b>	<b>2,847</b>	<b>3,179</b>	<b>1.2</b>
<b>Total World</b> . . . . .	<b>5,258</b>	<b>5,240</b>	<b>5,269</b>	<b>5,447</b>	<b>5,498</b>	<b>5,405</b>	<b>5,607</b>	<b>0.3</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country. To convert short tons to metric tons, divide each number in the table by 1.102.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B16; and World Energy Projection System (2000).

**Table C7. World Nuclear Energy Consumption by Region, Low Economic Growth Case, 1990-2020**  
(Billion Kilowatthours)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b> . . . . .	<b>649</b>	<b>770</b>	<b>717</b>	<b>749</b>	<b>700</b>	<b>582</b>	<b>483</b>	<b>-1.7</b>
United States <sup>a</sup> . . . . .	577	675	629	674	627	511	428	-1.7
Canada . . . . .	69	88	78	67	65	64	49	-2.0
Mexico . . . . .	3	7	10	7	7	7	7	-1.7
<b>Western Europe</b> . . . . .	<b>703</b>	<b>826</b>	<b>835</b>	<b>805</b>	<b>769</b>	<b>697</b>	<b>625</b>	<b>-1.2</b>
United Kingdom . . . . .	59	86	89	78	74	70	63	-1.5
France . . . . .	298	377	374	383	383	378	356	-0.2
Germany . . . . .	145	152	162	145	123	97	95	-2.3
Italy . . . . .	0	0	0	0	0	0	0	0.0
Netherlands . . . . .	3	4	2	3	3	0	0	-100.0
Other Western Europe . . . . .	198	207	207	197	185	152	111	-2.7
<b>Industrialized Asia</b> . . . . .	<b>192</b>	<b>287</b>	<b>306</b>	<b>291</b>	<b>340</b>	<b>331</b>	<b>320</b>	<b>0.2</b>
Japan . . . . .	192	287	306	291	340	331	320	0.2
Australasia . . . . .	0	0	0	0	0	0	0	0.0
<b>Total Industrialized</b> . . . . .	<b>1,544</b>	<b>1,883</b>	<b>1,859</b>	<b>1,845</b>	<b>1,809</b>	<b>1,609</b>	<b>1,429</b>	<b>-1.1</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	201	194	193	191	193	199	165	-0.7
Eastern Europe . . . . .	54	60	63	68	63	60	52	-0.8
<b>Total EE/FSU</b> . . . . .	<b>256</b>	<b>254</b>	<b>256</b>	<b>259</b>	<b>257</b>	<b>260</b>	<b>217</b>	<b>-0.7</b>
<b>Developing Countries</b>								
<b>Developing Asia</b> . . . . .	<b>88</b>	<b>128</b>	<b>130</b>	<b>181</b>	<b>213</b>	<b>228</b>	<b>223</b>	<b>2.4</b>
China . . . . .	0	14	11	31	49	56	64	7.8
India . . . . .	6	7	10	12	18	25	32	4.9
South Korea . . . . .	50	70	73	89	92	95	85	0.6
Other Asia . . . . .	32	37	35	50	53	52	42	0.8
<b>Middle East</b> . . . . .	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>13</b>	<b>13</b>	<b>0.0</b>
Turkey . . . . .	0	0	0	0	0	5	5	0.0
Other Middle East . . . . .	0	0	0	0	8	8	8	0.0
<b>Africa</b> . . . . .	<b>8</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>10</b>	<b>9</b>	<b>9</b>	<b>-1.5</b>
<b>Central and South America</b> . . . . .	<b>9</b>	<b>9</b>	<b>10</b>	<b>13</b>	<b>14</b>	<b>13</b>	<b>9</b>	<b>-0.7</b>
Brazil . . . . .	2	2	3	7	7	6	6	2.8
Other Central/South America . . . . .	7	7	7	7	8	7	3	-3.7
<b>Total Developing</b> . . . . .	<b>105</b>	<b>149</b>	<b>153</b>	<b>205</b>	<b>245</b>	<b>264</b>	<b>253</b>	<b>2.2</b>
<b>Total World</b> . . . . .	<b>1,905</b>	<b>2,286</b>	<b>2,268</b>	<b>2,309</b>	<b>2,310</b>	<b>2,133</b>	<b>1,899</b>	<b>-0.8</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B16; and World Energy Projection System (2000).

**Table C8. World Consumption of Hydroelectricity and Other Renewable Energy by Region, Low Economic Growth Case, 1990-2020**  
(Quadrillion Btu)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
<b>Industrialized Countries</b>								
<b>North America</b> . . . . .	<b>9.2</b>	<b>11.4</b>	<b>11.2</b>	<b>12.2</b>	<b>12.7</b>	<b>13.1</b>	<b>13.4</b>	<b>0.8</b>
United States <sup>a</sup> . . . . .	5.8	7.3	7.2	7.5	7.6	7.8	8.1	0.6
Canada . . . . .	3.1	3.7	3.6	4.3	4.6	4.7	4.8	1.2
Mexico . . . . .	0.3	0.4	0.4	0.4	0.5	0.5	0.5	1.5
<b>Western Europe</b> . . . . .	<b>4.4</b>	<b>4.5</b>	<b>4.7</b>	<b>5.2</b>	<b>5.7</b>	<b>6.1</b>	<b>6.6</b>	<b>1.5</b>
United Kingdom . . . . .	0.1	0.0	0.0	0.1	0.2	0.2	0.3	2.8
France . . . . .	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.4
Germany . . . . .	0.2	0.2	0.2	0.4	0.5	0.7	0.8	5.3
Italy . . . . .	0.4	0.5	0.5	0.6	0.6	0.7	0.7	1.5
Netherlands . . . . .	0.0	0.0	0.0	0.1	0.1	0.1	0.2	15.0
Other Western Europe . . . . .	3.2	3.1	3.2	3.5	3.6	3.7	3.9	0.9
<b>Industrialized Asia</b> . . . . .	<b>1.4</b>	<b>1.4</b>	<b>1.4</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>0.6</b>
Japan . . . . .	1.0	0.9	1.0	1.1	1.1	1.1	1.1	0.5
Australasia . . . . .	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.9
<b>Total Industrialized</b> . . . . .	<b>15.0</b>	<b>17.3</b>	<b>17.2</b>	<b>19.0</b>	<b>20.0</b>	<b>20.8</b>	<b>21.6</b>	<b>1.0</b>
<b>EE/FSU</b>								
Former Soviet Union . . . . .	2.4	2.3	2.2	2.3	2.3	2.3	2.4	0.3
Eastern Europe . . . . .	0.4	0.6	0.6	0.6	0.8	1.0	1.6	4.2
<b>Total EE/FSU</b> . . . . .	<b>2.8</b>	<b>2.9</b>	<b>2.8</b>	<b>2.9</b>	<b>3.1</b>	<b>3.3</b>	<b>4.0</b>	<b>1.5</b>
<b>Developing Countries</b>								
<b>Developing Asia</b> . . . . .	<b>3.2</b>	<b>4.0</b>	<b>3.9</b>	<b>5.5</b>	<b>5.8</b>	<b>5.9</b>	<b>6.2</b>	<b>2.1</b>
China . . . . .	1.3	1.9	1.8	3.0	3.1	2.9	2.7	1.7
India . . . . .	0.7	0.7	0.7	1.0	1.1	1.3	1.7	4.2
South Korea . . . . .	0.1	0.1	0.1	0.1	0.1	0.1	0.2	6.5
Other Asia . . . . .	1.1	1.3	1.3	1.4	1.5	1.5	1.4	0.8
<b>Middle East</b> . . . . .	<b>0.4</b>	<b>0.6</b>	<b>0.6</b>	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>	<b>1.1</b>	<b>3.0</b>
Turkey . . . . .	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Other Middle East . . . . .	0.1	0.2	0.2	0.5	0.6	0.6	0.7	6.4
<b>Africa</b> . . . . .	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.8</b>	<b>1.0</b>
<b>Central and South America</b> . . . . .	<b>3.9</b>	<b>5.2</b>	<b>5.4</b>	<b>5.3</b>	<b>5.2</b>	<b>5.1</b>	<b>5.3</b>	<b>-0.1</b>
Brazil . . . . .	2.2	2.8	3.0	2.4	2.3	2.2	2.1	-1.4
Other Central/South America . . . . .	1.7	2.4	2.4	2.9	2.9	2.9	3.1	1.1
<b>Total Developing</b> . . . . .	<b>8.1</b>	<b>10.4</b>	<b>10.5</b>	<b>12.5</b>	<b>12.8</b>	<b>12.7</b>	<b>13.5</b>	<b>1.1</b>
<b>Total World</b> . . . . .	<b>25.9</b>	<b>30.5</b>	<b>30.6</b>	<b>34.4</b>	<b>35.9</b>	<b>36.8</b>	<b>39.0</b>	<b>1.1</b>

<sup>a</sup>Includes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding. The electricity portion of the national fuel consumption values consists of generation for domestic use plus an adjustment for electricity trade based on a fuel's share of total generation in the exporting country. U.S. totals include net electricity imports, methanol, and liquid hydrogen.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table B1; and World Energy Projection System (2000).